CLAIMS

What is claimed is:

1. A method for validating data in a backend driven environment, the method comprising:

creating an XML Schema for a database;

designating a query interval;

upon the occurrence of a query interval, comparing the database to the hashtable;

determining if the database and the hashtable are identical; and

responsive to a determination that that database and the hashtable are identical,

performing additional steps comprising:

creating a new XML Schema.

2. The method of claim 1 further comprising: copying a database to a hashtable.

3. The method of claim 1 further comprising: responsive to a determination that that database and the hashtable are identical, resetting the query interval and repeating the steps in claim 1.

4. The method of claim 1 wherein the additional steps further comprise: deleting the hashtable and saving the database as a new hashtable.

5. The method of claim 1 wherein the additional steps further comprise: storing the new XML Schema in a web server's virtual root.

6. The method of claim 2 wherein a limited number of tables from the database are copied to the hashtable; and wherein upon the occurrence of a query interval, the database tables are compared to the tables in the hashtable.

7. The method of claim 2 wherein a database metadata is copied to the hashtable; and wherein upon the occurrence of a query interval, the database metadata is compared to the metadata in the hashtable.

8. The method of claim 1 further comprising: notifying a registered party of an update to the XML Schema.

9. The method of claim 1 further comprising: using a database trigger to indicate a change in the database.

10. A first method for validating proposed additions to a database comprising:

accessing an XML Schema stored in a web server's virtual root;

checking the validity of a data using the XML Schema;

submitting the data to a database;

validating the data; and

adding the verified data to the database;

wherein the XML Schema is created by a second method comprising:

designating a query interval;

upon the occurrence of a query interval, comparing the database to the hashtable;

determining if the database and the hashtable are identical; and

responsive to a determination that that database and the hashtable are identical, creating a new XML Schema.

11. The first method of claim 10 further comprising: creating an XML Schema for a database.

12. The first method of claim 10 wherein the second method further comprises: copying a database to a hashtable.

13. The first method of claim 10 wherein the second method further comprises: responsive to a determination that the database and the hashtable are identical, resetting the query interval and repeating the steps in claim 10.

14. The method of claim 10 wherein the second method further comprises: deleting the hashtable and saving the database as a new hashtable.

15. The method of claim 10 wherein the second method further comprises: storing the new XML Schema in a web server's virtual root.

16. The first method of claim 12 wherein the second method further comprises: wherein a limited number of tables from the database are copied to the hashtable; and wherein upon the occurrence of a query interval, the database tables are compared to the tables in the hashtable.

17. The first method of claim 12 wherein the second method further comprises: wherein a database metadata is copied to the hashtable; and wherein upon the occurrence of a query interval, the database metadata is compared to the metadata in the hashtable.

18. The first method of claim 10 further comprising: notifying a registered party of an update to the XML Schema.

19. The first method of claim 10 further comprising: using a database trigger to indicate a change in the database.

20. A program product operable on a computer, the program product comprising:

a computer-usable medium;

wherein the computer usable medium comprises instructions contained in the program product comprising:

instructions for creating an XML Schema for a database;

instructions for designating a query interval;

upon the occurrence of a query interval, instructions for comparing the database to the hashtable;

instructions for determining if the database and the hashtable are identical; and

responsive to a determination that that database and the hashtable are identical, instructions for performing additional steps comprising:

instructions for creating a new XML Schema.

21. The program product of claim 20 further comprising: instructions for copying a database to a hashtable.

22. The program product of claim 20 further comprising: responsive to a determination that that database and the hashtable are identical, instructions for resetting the query interval and repeating the steps in claim 20.

23. The program product of claim 20 wherein the additional steps further comprise: instructions for deleting the hashtable and saving the database as a new hashtable.

24. The program product of claim 20 wherein the additional steps further comprise: instructions for storing the new XML Schema in a web server's virtual root.

25. The program product of claim 21 wherein a limited number of tables from the database are copied to the hashtable; and wherein upon the occurrence of a query interval, the database tables are compared to the tables in the hashtable.

26. The program product of claim 21 wherein a database metadata is copied to the hashtable; and wherein upon the occurrence of a query interval, the database metadata is compared to the metadata in the hashtable.

27. The program product of claim 20 further comprising: notifying a registered party of an update to the XML Schema.

28. The program product of claim 20 further comprising: instructions for using a database trigger to indicate a change in the database.

29. A first program product operable on a computer, the program product comprising:

a computer-usable medium;

wherein the computer usable medium comprises instructions contained in the program product comprising:

instructions for accessing an XML Schema stored in a web server's virtual root;

instructions for checking the validity of a data using the XML Schema;

instructions for submitting the data to a database;

instructions for validating the data; and

instructions for adding the verified data to the database;

wherein the XML Schema is created by a second program product comprising:

instructions for designating a query interval;

upon the occurrence of a query interval, instructions for comparing the database to the hashtable;

instructions for determining if the database and the hashtable are identical; and

responsive to a determination that that database and the hashtable are identical, instructions for creating a new XML Schema.

30. The first program product of claim 29 further comprising: instructions for creating an XML Schema for a database.

31. The first program product of claim 29 wherein the second program product further comprises: instructions for copying a database to a hashtable.

32. The first program product of claim 29 wherein the second program product further comprises: responsive to a determination that the database and the hashtable are identical, instructions for resetting the query interval and repeating the steps in claim 29.

33. The first program product of claim 29 wherein the second program product further comprises: instructions for deleting the hashtable and saving the database as a new hashtable.

34. The first program product of claim 29 wherein the second program product further comprises: instructions for storing the new XML Schema in a web server's virtual root.

35. The first program product of claim 30 wherein a limited number of tables from the database are copied to the hashtable; and wherein upon the occurrence of a query interval, the database tables are compared to the tables in the hashtable.

36. The first program product of claim 30 wherein a database metadata is copied to the hashtable; and wherein upon the occurrence of a query interval, the database metadata is compared to the metadata in the hashtable.

37. The program product of claim 29 further comprising: notifying a registered party of an update to the XML Schema.

38. The first program product of claim 29 further comprising: instructions for using a database trigger to indicate a change in the database.